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Accreditation number: STS 0102

International standard: ISO/IEC 17025:2005
Swiss standard: SN EN ISO/IEC 17025:2005

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Internet: <http://www.tecnotest.ch>
Initial accreditation: 28.02.1995
Current accreditation: 17.02.2015 to 16.02.2020
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 19.06.2018

Testing laboratory for concrete, mortar, seals, joint-sealants, bituminous materials and binders, aggregates, in situ tests, geotextiles and geotextile-related products

Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Various tests with multiple applications: building materials, buildings, water, wood, plastics, etc. (Hardened) concrete	Endoscopic examinations according to norm: Engineering structures in connection with roads - inspection and test	DIN 1076
	Determination of the water content of building materials according to norm: soils in linoleum, plastic, rubber, cork, textile and wood, appendix A: calcium carbide method (CM method)	SIA 253 appendix A resp. SN 567 253
	Determination of water infiltration rate	SIA 262/1 appendix A resp. SN 505 262/1
	Determination of the resistance to chlorides	SIA 262/1 appendix B resp. SN 505 262/1



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(Hardened) concrete	Determination of the Freeze-thaw resistance	SIA 262/1 appendix C resp. SN 505 262/1
	Determination of (creep) and shrinkage	SIA 262/1 appendix F resp. SN 505 262/1
	Determination of resistance to carbonation	SIA 262/1 appendix I resp. SN 505 262/1
	Determination of air void characteristics	SIA 262/1 appendix K resp. SN 505 262/1
	Determination of the freeze and freeze-thaw resistance BE I (concrete surface layer) according to norm: Betondecken - Prüfmethoden zur Bestimmung des Frost- und Frosttaumittelwiderstands	SN 640 464
	Determination of secant modulus of elasticity in compression	SN EN 12390-13 bzw. SIA 262.263
	Compressive Strength of test specimens	SN EN 12390-3 resp. SIA 262.253
	Determination of Textural strength of test specimens	SN EN 12390-5 resp. SIA 262.255
	Determination of Density of hardened concrete	SN EN 12390-7 resp. SIA 262.257
	Determination of chloride content in hardened concrete - Products and systems for the protection and repair of concrete structures	SN EN 14629 resp. SIA 262.496
Mortar (for masonry)	Determination of flexural and compressive strength of hardened mortar	SN EN 1015-11 resp. SIA 177.161
	Determination of flexural and compressive strength (screed materials)	SN EN 13892-2 resp. SIA 252.004
Fresh concrete and mortar	Determination of the water content of freshly mixed concrete	SIA 262/1 appendix H resp. SN 505 262/1
	Sampling fresh concrete	SN EN 12350-1 resp. SIA 262.231
	Slump test	SN EN 12350-2 resp. SIA 262.232



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Fresh concrete and mortar	Determination of degree of compactability Flow table test	SN EN 12350-4 resp. SIA 262.234 SN EN 12350-5 resp. SIA 262.235
	Determination of Density	SN EN 12350-6 resp. SIA 262.236
	Determination of air content; Pressure methods	SN EN 12350-7 resp. SIA 262.237
	Slump-flow test (Self- compacting concrete)	SN EN 12350-8 resp. SIA 262.238
Concrete structures and elements	Taking, examining and testing in compression cored specimens of concrete in structures	SN EN 12504-1 resp. SIA 262.213
	Determination of chloride content in hardened concrete (cold nitric acid digestion / ion-sensitive) - Products and systems for the protection and repair of concrete structures	SN EN 14629 resp. SIA 262.496, modified procedure
Concrete and mortar: in situ tests	Measurement of the opening of cracks according to norm: concrete conservation according to norm: concrete conservation	SIA 162/5 resp. SN 562 162/5
	Confirmation test on mortar of finished screed as well as on hardened and on a prototype plate	SIA 251 resp. SN 567 251, chap. 6.1, 6.2
	Determination of the water content of building materials (CM method) according to norm: industrial soils without joints	SIA 252 appendix I resp. SN 567 252
	Determination of the corrosion of steel reinforcing bars according to norm: preservation of concrete structures	SIA 269/2 resp. SN 505 269/2
	Measurement of the concrete cover according to norm: preservation of concrete structures	SIA 269/2 resp. SN 505 269/2
	Execution and interpretation of potential measurement on reinforced concrete	SIA guideline 2006



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Concrete and mortar: in situ tests	Determination of rebound number (Schmidt Hammer) of concrete in structures - Non-destructive testing	SN EN 12504-2 resp. SIA 262.214
	Determination of carbonation depth in hardened concrete by the phenolphthalein method - Products and systems for the protection and repair of concrete structures	SN EN 14630 resp. SIA 262.495
	Determination of roughness by sand method according to norm: Products and systems for the protection and repair of concrete structures. Test methods. Reference concretes for testing	SN EN 1766 resp. SIA 162.424
	Determination of the water content of building materials according to calcium carbide method (CM method)	ZTV-ING - Zusätzliche technische Vertragsbedingungen und Richtlinien für Ingenieurbauten. Verkehrsblatt-Verlag. Teil 3, Abschn. 4
Protection and coating systems, coating materials, paints, impregnations, hydrophobics	Determination of liquid water permeability of paints and varnishes - Coating materials and coating systems for exterior masonry and concrete	SN EN 1062-3
	Measurement of bond strength by pull-off	SN EN 1542 resp. SIA 162.421
(Mineral-) aggregates, sand, gravel, coarse aggregates, crushed stones, filler, unbound materials, etc.	Methods for sampling aggregates	SN EN 932-1 resp. SN 670 901-1
	Determination of particle size distribution of aggregates - Sieving Method	SN EN 933-1 resp. SN 670 902-1
Soils, underground and rocks: in situ tests	EV and ME-plate bearing test (soils)	SN 670 317
Bituminous binders	Determination of adhesion of bituminous binders on aggregates (mix asphalt)	SN 670 460
	Determination of the penetration index PI according to norm: Specifications for paving grade bitumen	SN EN 12591 resp. SN 670 202-NA



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Bituminous binders	Bitumen recovery: Rotary evaporator (toluol)	SN EN 12697-3 resp. SN 670 403-NA
	Bitumen recovery: Rotary evaporator (trichloroethylene)	SN EN 12697-3 resp. SN 670 403-NA, SN modified procedure
	Determination of the elastic recovery of modified bitumen	SN EN 13398 resp. SN 670 547
	Characterization of perceptible properties	SN EN 1425 resp. SN 670 503
	Determination of needle penetration	SN EN 1426 resp. SN 670 511
	Determination of softening point Ring and Ball method	SN EN 1427 resp. SN 670 512
Bituminous mixtures	Dynamic indentation test with stamp with a plane section (ETdyn) according to appendix of SN 640 441-NA: Bituminous mixtures - Mastic asphalt, specifications	EN 13108-6 resp. SN 640 441-NA national appendix G
	Soluble binder content determination of mix asphalt	SN EN 12697-1 resp. SN 670 401
	Indentation using cube or Marshall specimens	SN EN 12697-20 resp. SN 670 420
	Indentation using plate specimens	SN EN 12697-21 resp. SN 670 421
	Sampling bituminous mixtures	SN EN 12697-27 resp. SN 670 427
	Specimen preparation by impact compactor	SN EN 12697-30 resp. SN 670 430
	Marshall test	SN EN 12697-34 resp. SN 670 434
	Determination of the maximum density of hot mix asphalt	SN EN 12697-5 resp. SN 670 405
	Determination of bulk density of bituminous specimens	SN EN 12697-6 resp. SN 670 406
	Determination of void characteristics of bituminous specimens	SN EN 12697-8 resp. SN 670 408
Hot applied joint sealants, asphalt plug joints	Determination of needle penetration after heating	SN EN 1426 resp. SN 670 500-7 after SN 671 904, modified procedures



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Membranes	Determination of the watertightness - Liquid Applied Roof Waterproofing Kits	EOTA 005 TR-003
	Determination of the resistance to delamination - Liquid Applied Roof Waterproofing Kits	EOTA 005 TR-004
	Determination of the resistance to dynamic indentation	EOTA 005 TR-006
	Determination of the resistance to static indentation - Liquid Applied Roof Waterproofing Kits	EOTA 005 TR-007
	Determination of the resistance to sliding - Liquid Applied Roof Waterproofing Kits	EOTA 005 TR-009
	Exposure procedure for artificial weathering - Liquid Applied Roof Waterproofing Kits	EOTA 005 TR-010
	Exposure procedure for accelerated ageing by heat - Liquid Applied Roof Waterproofing Kits	EOTA 005 TR-011
	Determination of the resistance of joints	SIA V280, test nr. 16 resp. SN 564 280
	Determination of dimensional stability - Part 1: Bitumen sheets for roof waterproofing	SN EN 1107-1 resp. SIA 281.302
	Determination of dimensional stability - Part 2: Plastic and rubber sheets for roof waterproofing	SN EN 1107-2 resp. SIA 280.304
	Determination of flexibility at low temperature of flexible sheets for waterproofing	SN EN 1109 resp. SIA 281.304
Determination of flow resistance at elevated temperature	SN EN 1110 resp. SIA 281.303	
Determination of resistance to tearing (nail shank) of flexible sheets for waterproofing - Part 1: Bitumen sheets for roof waterproofing	SN EN 12310-1 resp. SIA 281.314	



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Membranes	<p>Determination of resistance to tearing of flexible sheets for waterproofing - Part 2: Plastic and rubber sheets for roof waterproofing</p> <p>Determination of tensile properties of flexible sheets for waterproofing - Part 1: Bitumen sheets for roof waterproofing</p> <p>Determination of tensile properties of Flexible sheets for waterproofing - Part 2: Plastic and rubber sheets for roof waterproofing</p> <p>Determination of peel resistance of joints of Flexible sheets for waterproofing - Part 1: Bitumen sheets for roof waterproofing</p> <p>Determination of peel resistance of joints of flexible sheets for waterproofing - Part 2: Plastic and rubber sheets for roof waterproofing</p> <p>Determination of shear resistance of joints of Flexible sheets for waterproofing - Part 1: Bitumen sheets for roof waterproofing</p> <p>Determination of shear resistance of joints of Flexible sheets for waterproofing - Part 2: Plastic and rubber sheets for roof waterproofing</p> <p>Determination of resistance to impact of flexible sheets for waterproofing</p> <p>Determination of resistance to static loading of flexible sheets for waterproofing</p> <p>Determination of resistance to water penetration of flexible sheets for waterproofing - Underlays for discontinuous roofing and walls</p>	<p>SN EN 12310-2 resp. SIA 280.320</p> <p>SN EN 12311-1 resp. SIA 281.301</p> <p>SN EN 12311-2 resp. SIA 280.302</p> <p>SN EN 12316-1 resp. SIA 281.315</p> <p>SN EN 12316-2 resp. SIA 280.321</p> <p>SN EN 12317-1 resp. SIA 281.316</p> <p>SN EN 12317-2 resp. SIA 280.316</p> <p>SN EN 12691 resp. SIA 289.303</p> <p>SN EN 12730 resp. SIA 289.302</p> <p>SN EN 13111 resp. SIA 289.305</p>



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Membranes	<p>Determination of bond strength of flexible sheets for waterproofing - Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles</p> <p>Determination of shear strength of Flexible sheets for waterproofing - Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles</p> <p>Compatibility by heat conditioning of Flexible sheets for waterproofing - Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles</p> <p>Determination of the behaviour of (polymer) bitumen sheets during application of mastic asphalt</p> <p>Determination of dimensional stability at 160 °C according to norm: Flexible sheets for waterproofing. Reinforced bitumen sheets for waterproofing of concrete bridge decks and other trafficked areas of concrete. Definitions and characteristics</p> <p>Determination of length, width and straightness of flexible sheets for waterproofing - Part 1: Bitumen sheets for roof waterproofing</p> <p>Determination of length, width, straightness and flatness of flexible sheets for waterproofing - Part 2: Plastic and rubber sheets for roof waterproofing</p> <p>Determination of thickness and mass per unit area of flexible sheets for waterproofing - Part 1: Bitumen sheets for roof waterproofing</p>	<p>SN EN 13596 resp. SIA 281.305</p> <p>SN EN 13653 resp. SIA 281.306</p> <p>SN EN 14691 resp. SIA 281.324</p> <p>SN EN 14693 resp. SIA 281.326</p> <p>SN EN 14695 annex B</p> <p>SN EN 1848-1 resp. SIA 281.319</p> <p>SN EN 1848-2 resp. SIA 280.322</p> <p>SN EN 1849-1 resp. SIA 281.318</p>



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Membranes	Determination of thickness and mass per unit area of flexible sheets for waterproofing - Part 2: Plastic and rubber sheets for roof waterproofing	SN EN 1849-2 resp. SIA 280.301
	Determination of visible defects of flexible sheets for waterproofing - Part 1: Bitumen sheets for roof waterproofing	SN EN 1850-1 resp. SIA 281.320
	Determination of visible defects of flexible sheets for waterproofing - Part 2: Plastic and rubber sheets for roof waterproofing	SN EN 1850-2 resp. SIA 280.323
	Determination of watertightness of flexible sheets for waterproofing	SN EN 1928 resp. SN 289.301
	Determination of water vapour transmission properties of flexible sheets for waterproofing	SN EN 1931 resp. SN 289.304
	Determination of foldability at low temperature of flexible sheets for waterproofing	SN EN 495-5 resp. SIA 280.303
Road construction and waterproofing: in situ tests	Standard Test Method for Density (degree of compaction) of Bituminous Concrete in Place by Nuclear Methods	ASTM D2950
	Peeling test (bituminous membranes)	SIA 281/2 resp. SN 564 281/2
	Determination of pull-off bond strength of bituminous membranes	SIA 281/3 resp. SN 573 281/3
	Determination of local total thickness with Georadar - Sealing Systems and bituminous layers on roadways	SN 640 456
Geosynthetics - geotextiles and geotextile-related products	Control of the geometry - Flatness	SN 640 520
	Determination of the pyramid puncture resistance of supported geosynthetics	EN 14574
	Determination of the resistance to weathering	SN EN 12224
	Wide-width tensile test (ISO 10319:2008)	SN EN ISO 10319



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Geosynthetics - geotextiles and geotextile-related products	Identification on site - Geotextiles and geotextile-related products Determination of water permeability characteristics normal to the plane, without load - Geotextiles and geotextile-related products Static puncture test (CRB test) Dynamic perforation test (cone drop test) Sampling and preparation of test specimens - Geosynthetics Determination of thickness at specified pressures - Part 1: Single layers. Test method for the determination of mass per unit area of geotextiles and geotextile-related products	SN EN ISO 10320 resp. SN 670 246 SN EN ISO 11058 bzw. SN 670 739 SN EN ISO 12236 resp. SN 670 711 SN EN ISO 13433 resp. SN 670 747 SN EN ISO 9862 resp. SN 670 702 SN EN ISO 9863-1 resp. SN 670 703-1 SN EN ISO 9864 resp. SN 670 704

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